1   **WE CLAIM:**

1   1.   A digital video recorder (DVR) for use with a monitor and a set top box (STB), the STB

2   for demodulating program data from a program signal received over a communication

3   channel and for generating a STB graphical user interface (GUI), the STB comprising a

4   DVR interface, the DVR comprising:

5   (a) a local memory for storing the program data received from the STB;

6   (b) a STB interface for communicating with the STB over the DVR interface; and

7   (c) a DVR controller for:

8   generating a DVR GUI; and

9   in response to user input, communicating with the STB to coordinate whether the STB

10   GUI or the DVR GUI is displayed on the monitor.

1   2.   The DVR as recited in claim 1, wherein the STB interface implements a serial

2   communication protocol.

1   3.   The DVR as recited in claim 2, wherein the STB interface implements a Universal Serial

2   Bus (USB) communication protocol.

1   4.   The DVR as recited in claim 1, wherein the STB interface implements a 1394

2   communication protocol.

1   5.   The DVR as recited in claim 1, wherein the DVR receives the program data from the

2   STB.

1   6.   The DVR as recited in claim 1, wherein at least one of the STB GUI and DVR GUI

2   display Electronic Program Guide (EPG) data.

1   7.   The DVR as recited in claim 1, further comprising a modem for receiving Electronic

2   Program Guide (EPG) data, the EPG data for display in the DVR GUI.

1   8.   The DVR as recited in claim 1, wherein the DVR receives Electronic Program Guide

2   (EPG) data from the STB, the EPG data for display in the DVR GUI.

1   9.   The DVR as recited in claim 1, wherein when the user input indicates that the STB GUI

2   should be displayed on the monitor, the STB communicates a request to the DVR to

3   display the STB GUI.

1   10.   The DVR as recited in claim 1, wherein when the user input indicates that the DVR GUI

2   should be displayed on the monitor, the STB communicates a request to the DVR to

3   display the DVR GUI.

1   11.   The DVR as recited in claim 1, wherein when the user input indicates that the STB GUI

2   should be displayed on the monitor, the DVR communicates a request to the STB to

3   display the STB GUI.

1   12.   The DVR as recited in claim 1, wherein:

2   (a) the STB receives a command representing the user input from a remote control;

3   (b) when the STB GUI is displayed on the monitor, the STB processes the command

4   received from the remote control; and

5   (c) when the DVR GUI is displayed on the monitor, the STB communicates the command

6   received from the remote control to the DVR.

1   13.   The DVR as recited in claim 1, wherein:

2   (a) the DVR receives a command representing the user input from a remote control;

3   (b) when the DVR GUI is displayed on the monitor, the DVR processes the command

4   received from the remote control; and

5   (c) when the STB GUI is displayed on the monitor, the DVR communicates the command

6   received from the remote control to the STB.

1   14.   The DVR as recited in claim 1, wherein:

2   (a) the DVR comprises a plurality of program identifiers identifying programs scheduled

3   for recording by the DVR;

4   (b) the DVR communicates to the STB the plurality of program identifiers; and

5   (c) the STB is responsive to the plurality of program identifiers to display the STB GUI.

1   15.   The DVR as recited in claim 1, wherein:

2   (a) the DVR comprises a plurality of program identifiers identifying programs scheduled

3   for recording by the DVR;

4   (b) the DVR receives from the STB information identifying a program selected by a user

5   from the STB GUI; and

6   (c) the DVR modifies the plurality of program identifiers using the information identifying

7   the program selected by the user from the STB GUI.

1   16.   The DVR as recited in claim 1, wherein:

2   (a) the DVR comprises a plurality of program identifiers identifying programs recorded by

3   the DVR;

4   (b) the DVR communicates to the STB the plurality of program identifiers; and

5   (c) the STB is responsive to the plurality of program identifiers to display the STB GUI.

1   17.   The DVR as recited in claim 1, wherein:

2   (a) the user input is generated using a remote control; and

3   (b) the remote control comprises a first button for selecting the STB GUI to be displayed

4   on the monitor and a second button for selecting the DVR GUI to be displayed on

5   the monitor.

1   18.   The DVR as recited in claim 1, wherein:

2   (a) the STB GUI comprises an option for displaying the DVR GUI; and

3   (b) the user input is generated by selecting the option to display the DVR GUI from the

4   STB GUI.

1   19.   A set top box (STB) for use with a monitor and a digital video recorder (DVR), the DVR

2   for storing program data received from the STB and for generating a DVR GUI, the DVR

3   comprising a STB interface, the STB comprising:

4   (a) a tuner for demodulating the program data from a program signal received over a

5   communication channel;

6   (b) a DVR interface for communicating with the DVR over the STB interface; and

7   (c) a STB controller for:

8   generating a STB GUI; and

9   in response to user input, communicating with the DVR to coordinate whether the

10   STB GUI or the DVR GUI is displayed on the monitor.

1   20.   The STB as recited in claim 19, wherein the DVR interface implements a serial

2   communication protocol.

1   21.   The STB as recited in claim 20, wherein the DVR interface implements a Universal Serial

2   Bus (USB) communication protocol.

1   22.   The STB as recited in claim 19, wherein the DVR interface implements a 1394

2   communication protocol.

1   23.   The STB as recited in claim 19, wherein the STB transmits the program data to the DVR.

1   24.   The STB as recited in claim 19, wherein at least one of the STB GUI and DVR GUI

2   display Electronic Program Guide (EPG) data.

1   25.   The STB as recited in claim 19, wherein the STB communicates Electronic Program

2   Guide (EPG) data to the DVR, the EPG data for display in the DVR GUI.

1   26.   The STB as recited in claim 19, wherein when the user input indicates that the STB GUI

2   should be displayed on the monitor, the STB communicates a request to the DVR to

3   display the STB GUI.

1   27.   The STB as recited in claim 19, wherein when the user input indicates that the DVR GUI

2   should be displayed on the monitor, the STB communicates a request to the DVR to

3   display the DVR GUI.

1   28.   The STB as recited in claim 19, wherein when the user input indicates that the STB GUI

2   should be displayed on the monitor, the DVR communicates a request to the STB to

3   display the STB GUI.

1   29.   The STB as recited in claim 19, wherein:

2   (a) the STB receives a command representing the user input from a remote control;

3   (b) when the STB GUI is displayed on the monitor, the STB processes the command

4   received from the remote control; and

5   (c) when the DVR GUI is displayed on the monitor, the STB communicates the command

6   received from the remote control to the DVR.

1   30.   The STB as recited in claim 19, wherein:

2   (a) the DVR receives a command representing the user input from a remote control;

3   (b) when the DVR GUI is displayed on the monitor, the DVR processes the command

4   received from the remote control; and

5   (c) when the STB GUI is displayed on the monitor, the DVR communicates the command

6   received from the remote control to the STB.

1   31.   The STB as recited in claim 19, wherein:

2   (a) the DVR comprises a plurality of program identifiers identifying programs scheduled

3   for recording by the DVR;

4   (b) the DVR communicates to the STB the plurality of program identifiers; and

5   (c) the STB is responsive to the plurality of program identifiers to display the STB GUI.

1   32.   The STB as recited in claim 19, wherein:

2   (a) the DVR comprises a plurality of program identifiers identifying programs scheduled

3   for recording by the DVR;

4   (b) the DVR receives from the STB information identifying a program selected by a user

5   from the STB GUI; and

6   (c) the DVR modifies the plurality of program identifiers using the information identifying

7   the program selected by the user from the STB GUI.

1   33.   The STB as recited in claim 19, wherein:

2   (a) the DVR comprises a plurality of program identifiers identifying programs recorded by

3   the DVR;

4   (b) the DVR communicates to the STB the plurality of program identifiers; and

5   (c) the STB is responsive to the plurality of program identifiers to display the STB GUI.

1   34.   The STB as recited in claim 19, wherein:

2   (a) the user input is generated using a remote control; and

3   (b) the remote control comprises a first button for selecting the STB GUI to be displayed

4   on the monitor and a second button for selecting the DVR GUI to be displayed on the

5   monitor.

1   35.   The STB as recited in claim 19, wherein:

2   (a) the STB GUI comprises an option for displaying the DVR GUI; and

3   (b) the user input is generated by selecting the option to display the DVR GUI from the

4   STB GUI.

1   36.   A computer program embodied on a computer readable storage medium for use in a

2   digital video recorder (DVR), the DVR for use with a monitor and a set top box (STB),

3   the STB for demodulating program data from a program signal received over a

4   communication channel and for generating a STB graphical user interface (GUI), the STB

5   comprising a DVR interface and the DVR comprising a STB interface for communicating

6   with the STB over the DVR interface, the DVR comprising a local memory, the computer

7   program comprising code segments for:

8   (a) receiving the program data from the STB;

9   (b) storing the program data in the local memory;

10   (c) generating a DVR GUI; and

11   (d) in response to user input, communicating with the STB to coordinate whether the STB

12   GUI or the DVR GUI is displayed on the monitor.

1   37.   A computer program embodied on a computer readable storage medium for use in a set

2   top box (STB), the STB for use with a monitor and a digital video recorder (DVR), the

3   DVR for storing program data received from the STB and for generating a DVR GUI, the

4   DVR comprising a STB interface and the STB comprising a DVR interface for

5   communicating with the DVR over the STB interface, the computer program comprising

6   code segments for:

7   (a) demodulating the program data from a program signal received over a communication

8   channel;

9   (b) generating a STB GUI; and

10   (c) in response to user input, communicating with the DVR to coordinate whether the

11   STB GUI or the DVR GUI is displayed on the monitor.